



Sauget Area 1 Site Q
PRP Information Collected From Site During Excavation

-A total of 12 intact Mallinckrodt amber jars and 12 Mallinckrodt lids from broken amber bottles were removed from interior of an unlabeled crushed 55-gallon drum. One metal gallon container was also removed from the same drum. The drum itself was not labeled, was partially crushed and was rusty and deteriorated. Those containers that were intact were placed inside a 55-gallon overpack drum with vermiculite to stabilize them, and placed on plastic with the other drums that were being removed from Area-01. There were two additional 55-gallon drums and one five-gallon container excavated which had painted labels from Mallinckrodt. Due to the deteriorated condition none of these three containers had any contents present once inspected.

-One drum from the excavation area was documented with a partial paper label barely legible that read "Hall and Company" attempts to clean the remaining portions of the label resulted in the label simply fading out and falling apart. A photo was taken of the drum, but due to the condition of the label and drum the writing was not legible in a photo. Due to the deteriorated condition the drum was empty once excavated, no samples were collected.

-Another drum was encountered in the excavation area which had a paper label with only "Monsanto" in dark lettering on a white background. No other numbering was located on the drum. The drum was photographed and subsequently opened using equipment onsite. Residual silver paint and/or solvents typical of what had been seen released from other drums in the excavation area was noted inside the drum but no sample was collected due to lack of volume. The drum when excavated, had no lid in the bung hole located at the top of the drum.

-Two 55-gallon drums excavated had the following painted label on the drums; "DOW Chloroethene NU Superior Solvent". One of the drums had a sample collected for analysis.

-Two 55-gallon drums were also excavated which had the following painted label on the drums; "MYCO-GLOSS Self Sealing Floor Dressing, Masury Young Company 76 Roland St. Boston 29. Mass. After excavation and due to the deteriorated condition of the drums there was not enough material present to collect for analysis.

-One 55-gallon drum was excavated which had a painted label with the company name "AMCHEM". The drum's contents were sampled for analysis.

-One 55-gallon drum was excavated which had legible markings present. This drum had a painted label which stated "VESTAL" at the top one third of the drum. This drums content was sampled when opened onsite. A photo of the label was taken at that time.

-A label was noticed while crushing empty drums. This label was removed by hand and placed in a ziploc bag. The paper label states, "Truffles 67 E. Oak Chicago". No samples were collected due to the deteriorated condition resulting in the drum being empty.

-Slay Trucking of East St. Louis, Illinois transported for Monsanto to Site Q during operations (according to a local source).

-Reedy Oil became Clayton Chemical became Tradewaste.....These companies operated on the far north end of Site Q. Schiber Trucking of Hartford, Illinois transported for Reedy and Clayton to Site Q during operations (according to a local source).

<p align="center">Table 12</p> <p align="center">ANALYTICAL RESULTS OF LABELED DRUM SAMPLES</p> <p align="center">SITE Q</p> <p align="center">CAHOKIA, ST. CLAIR COUNTY, ILLINOIS</p> <p align="center">DECEMBER 20, 1999</p>			
Parameter	Sample Designation		
	D-Amchem	D-Dow	D-200 (Vestal)
Naphthalene	360	3,110	310
2-methylnaphthalene	20	236	68
Diethylphthalate	ND	ND	2.0 J
Fluorene	ND	7.2 J	ND
4-Nitroaniline	ND	ND	19 J
Pentachlorophenol	ND	ND	9.9 J
Phenanthrene	1.3 J	11.0 J	ND
Di-n-butylphthalate	ND	95	7.4 J
Fluoranthene	ND	2.6 J	ND
Pyrene	0.75 J	3.8 J	ND
Butylbenzylphthalate	48 J	182	ND
bis(2-ethylhexyl) phthalate	78 B	1,110	9.4 J,B
Chrysene	0.77 J	ND	ND
Di-n-octylphthalate	2.2 J,B	8.9 J	1.9 J,B
Target analyte list metals (mg/kg)			
Antimony	ND	257	9.09
Arsenic	ND	9.66	ND
Beryllium	ND	ND	ND
Cadmium	ND	479	ND
Chromium	46.2	3,240	1,740
Copper	2.12	2,050	19.9
Lead	11.1	18,400	7,010
Nickel	29.0	49.5	8.07
Selenium	ND	191	ND
Thallium	ND	ND	ND
Zinc	200	1,220	6,610

Table 12 ANALYTICAL RESULTS OF LABELED DRUM SAMPLES SITE Q CAHOKIA, ST. CLAIR COUNTY, ILLINOIS DECEMBER 20, 1999			
Parameter	Sample Designation		
	D-Amchem	D-Dow	D-200 (Vestal)
Mercury	ND	6.17	NA
PCBs (mg/kg)			
Aroclor 1248	60.7	ND	ND
Aroclor 1254	ND	4,140	0.516
Aroclor 1260	40.9	902	0.190
Total PCBs	101.6	5,042	0.706

Key: mg/kg = Milligrams per kilogram.
 mg/L = Milligrams per liter
 ND = Not detected.
 NA = Not analyzed.
 J = Estimated concentration.
 B = Analyte detected in method blank, possibly below the reporting limit.
 TCLP = Toxicity characteristic leaching procedure.
 PCBs = Polychlorinated biphenyls.
 µg/kg = Micrograms per kilogram.

Source: American Technical and Analytical Services Inc., Maryland Heights, Missouri. Analysis provided through Environmental Quality Management.

















